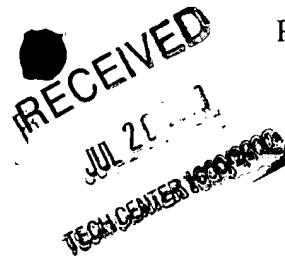


R. Zeman



1645

P#9

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/202,181

DATE: 07/12/2000  
TIME: 13:45:01

Input Set : A:\Reisner1.app  
Output Set: N:\CRF3\07122000\I202181.raw

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3 <110> APPLICANT: REISNER, Yair et al.
5 <120> TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO THE HEPATITIS B SURFACE
6 ANTIGEN
8 <130> FILE REFERENCE: REISNER=5
10 <140> CURRENT APPLICATION NUMBER: 09/202,181
11 <141> CURRENT FILING DATE: 1998-12-10
13 <150> PRIOR APPLICATION NUMBER: 118625
14 <151> PRIOR FILING DATE: 1996-06-11
16 <150> PRIOR APPLICATION NUMBER: IL97/00184
17 <151> PRIOR FILING DATE: 1997-06-10
19 <160> NUMBER OF SEQ ID NOS: 4
21 <170> SOFTWARE: PatentIn Ver. 2.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 327
25 <212> TYPE: DNA
26 <213> ORGANISM: human
28 <220> FEATURE:
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34 Ser Tyr Val Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro Gly Lys
35 1 5 10 15
37 acg gcc agg att tcc tgt ggg gga aac aac att gga act aaa aat gtg 96
38 Thr Ala Arg Ile Ser Cys Gly Gly Asn Asn Ile Gly Thr Lys Asn Val
39 20 25 30
41 cac tgg tac cag cag aag cca ggc cag gcc cct gtg ctg gtc gtc tat 144
42 His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Val Tyr
43 35 40 45
45 gct gat agc gac cgg ccc tca ggg atc cct gag cga ttc tct ggc tcc 192
46 Ala Asp Ser Asp Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
47 50 55 60
49 aac tct ggg aac acg gcc acc ctg acc atc agc agg gtc gaa gtc ggg 240
50 Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Val Glu Val Gly
51 65 70 75 80
53 gat gag gcc gac tat tac tgt cag gtg tgg gat agt gtt agt tat cat 288
54 Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Ser Val Ser Tyr His
55 85 90 95
57 gtg gta ttt ggc gga ggg acc acg ctg acc gtc cta ggt 327
58 Val Val Phe Gly Gly Thr Thr Leu Thr Val Leu Gly
59 100 105
62 <210> SEQ ID NO: 2
63 <211> LENGTH: 109
64 <212> TYPE: PRT
65 <213> ORGANISM: human
67 <400> SEQUENCE: 2
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## RAW SEQUENCE LISTING

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TECH CENTER 1600/2900

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69   1           5           10           15
71 Thr Ala Arg Ile Ser Cys Gly Gly Asn Asn Ile Gly Thr Lys Asn Val
72                20                25                30
74 His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Val Tyr
75                35                40                45
77 Ala Asp Ser Asp Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
78                50                55                60
80 Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Val Glu Val Gly
81 65                70                75                80
83 Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Ser Val Ser Tyr His
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86 Val Val Phe Gly Gly Gly Thr Thr Leu Thr Val Leu Gly
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92 <211> LENGTH: 363
93 <212> TYPE: DNA
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103 1           5           10           15
105 tcc ctg aga ctc tcc tgt gca ccg tct gga ttc gtc ttc agg agt tat 96
106 Ser Leu Arg Leu Ser Cys Ala Pro Ser Gly Phe Val Phe Arg Ser Tyr
107                20                25                30
109 ggc atg cac tgg gtc cgc cag act cca ggc aag ggg ctt gag tgg gtg 144
110 Gly Met His Trp Val Arg Gln Thr Pro Gly Lys Gly Leu Glu Trp Val
111                35                40                45
113 tca ctt ata tgg cat gat gga agt aat aga ttc tat gca gac tcc gtg 192
114 Ser Leu Ile Trp His Asp Gly Ser Asn Arg Phe Tyr Ala Asp Ser Val
115                50                55                60
117 aag ggc cga ttc acc atc tcc aga gac aat tcc aag aac aca ttg tat 240
118 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
119 65                70                75                80
121 ttg caa atg aac agc ctg aga gcc gaa gac acg gct atg tac ttc tgt 288
122 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Met Tyr Phe Cys
123                85                90                95
125 gcg aga gag agg ctg att gca gca cct gct gcc ttt gac ctc tgg ggc 336
126 Ala Arg Glu Arg Leu Ile Ala Ala Pro Ala Ala Phe Asp Leu Trp Gly
127                100                105                110
129 cag gga acc ctg gtc acc gtc tcc tcg 363
130 Gln Gly Thr Leu Val Thr Val Ser Ser
131                115                120
134 <210> SEQ ID NO: 4
135 <211> LENGTH: 121
136 <212> TYPE: PRT
137 <213> ORGANISM: human

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Output Set: N:\CRF3\07122000\I202181.raw

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143 Ser Leu Arg Leu Ser Cys Ala Pro Ser Gly Phe Val Phe Arg Ser Tyr
144 20 25 30
146 Gly Met His Trp Val Arg Gln Thr Pro Gly Lys Gly Leu Glu Trp Val
147 35 40 45
149 Ser Leu Ile Trp His Asp Gly Ser Asn Arg Phe Tyr Ala Asp Ser Val
150 50 55 60
152 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
153 65 70 75 80
155 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Met Tyr Phe Cys
156 85 90 95
158 Ala Arg Glu Arg Leu Ile Ala Ala Pro Ala Ala Phe Asp Leu Trp Gly
159 100 105 110
161 Gln Gly Thr Leu Val Thr Val Ser Ser
162 115 120

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VERIFICATION SUMMARY

DATE: 07/12/2000

PATENT APPLICATION: US/09/202,181

TIME: 13:45:02

Input Set : A:\Reisner1.app

Output Set: N:\CRF3\07122000\I202181.raw